

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

. No. : 10/608,939 Confirmation No. 6956

Applicant : Bradley C. Sammann et al.

Filed : June 26, 2003

TC/A.U. : 3746

Examiner :

Docket No. : EH-10570 (02-640)

Customer No.: 34704

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance Applicants' continued duty of disclosure, the documents on the attached Form PTO-1449 are brought to the Examiner's attention. Copies of the non-US patent documents are enclosed.

German Patent No. 690 569 describes a tangential fuel/air injection method intended to create vortices to enhance mixing in a combustion chamber. This is accomplished with mechanical poppet valves opening and closing to support a design frequency.

German Patent DE 198 50 812 Al describes a method for isolating and confining fueled air from unfueled air through the use of a cross flow air curtain in a combustor tube. The cross flow is accomplished by a narrow circumferential slit in the combustor tube downstream of both the inlet valve and the spark plug. The intent is to localize the combustible mixture in the front end of the combustor tube with a non-mechanical constriction that will effectively disappear and allow high pressure post heated gases to flow freely after the combustion event.

The undersigned hereby certifies that each item of information contained in the information disclosure statement was

first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

The undersigned submits the above-identified references for independent consideration by the Examiner and does not make any admission that these references are or are not material to the present invention or that these references are or are not prior art with respect to the present invention.

No fee is believed to be due as a result of this response. Should the Commissioner determine that a fee is due, he is hereby authorized to charge said fee to Deposit Account No. 02-0184.

Respectfully submitted,

Bradley C. Sammann et al.

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Date: June 16, 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 2/23/13" on June 16, 2004 VA 2/23/13"/On June 16,

Antoinette Sullo

JUN 18 2004 🖔

Approved for use through 10/31/2002. OMB 0651-0031 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

Complete if Known

10/608,939

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

MANA	Complete if Known			
pplication Number	10/608,939			
Filing Date	June 26, 2003			
First Named Inventor	Bradley C. Sammann			
Group Art Unit	3746			
Examiner Name				
Attorney Docket Number	EH-10570 (02-640)			

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document Number Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear	
		2,557,198	NICHOLS	06-19-1951		
		2,748,564	MARCHAL ET AL.	06-05-1956		
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Examiner Initials*	Cite No. ¹	For Office ³	Niimher'	ment ind Code ⁵ if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark hee if English language Translation is attached.